Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/27/2020 11:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124476	-1	1.57	124495	1.57
Blue	F	SSC	125000	123177	-2	1.67	123962	1.69
Blue	E	FITC	15892	15420	-3	2.72	337	20.39
Blue	D	PE	29999	29270	-3	1.83	639	14.37
Blue	B	PerCP-Cy5-5	43732	43541	-1	3.57	1167	20.21
Blue	A	PE-Cy7	30845	30909	0	5.98	597	40.56
Red	C	APC	46112	45529	-2	2.45	1609	12.17
Red	A	APC-Cy7	30458	29930	-2	2.36	791	11.83
Violet	B	V450	7918	7674	-4	4.45	432	12.98
Violet	A	V500	32171	31221	-3	4.20	732	10.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17465	7.44	625	4	N/A	N/A	Pass
Blue	F	SSC	56193	1.20	564	5	N/A	N/A	Pass
Blue	E	FITC	60	62.06	545	2	0.0181	35	Pass
Blue	D	PE	132	48.89	551	3	0.1709	264	Pass
Blue	B	PerCP-Cy5-5	215	49.42	658	2	0.0092	55	Pass
Blue	A	PE-Cy7	109	100.74	701	3	0.0109	15	Pass
Red	C	APC	384	24.78	588	4	0.0238	90	Pass
Red	A	APC-Cy7	174	28.29	560	4	0.0057	889	Pass
Violet	B	V450	65	56.16	458	0	0.0473	1524	Pass
Violet	A	V500	109	32.35	474	0	0.0224	562	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-34.33	-33.44	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.30	13.60 - 20.40	N/A	N/A	30.43	31.23	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10460

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments